

Lockheed Martin
Scientific Engineering, Response and Analytical Services
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DATE: February 17, 2012

TO: Kelley Chase, EPA Region 3 OSC
Cynthia Caporale, EPA Region 3 OASQA

THROUGH: **Ex. 4 - CBI** SERAS Program Manager

FROM: **Ex. 4 - CBI** SERAS QA/QC Officer

SUBJECT: VERIFICATION/COMPLETENESS CHECK – DIMOCK, PA LABORATORY DATA
File 12030a_rsk 175.pdf, File 12030a_tph_purgeable.pdf, File 12030a_tph_extractable.pdf

INTRODUCTION

On February 17, 2012, a review of the case narratives and corresponding certificates of analysis from the EPA R9 (Dissolved Gases, GRO, DRO/ORO Reports Posted Feb 16) was reviewed at the SERAS facility in accordance with the Follow-Up Verification/Completeness Check agreed upon during our teleconference on Wednesday 2/8/12.

The assumptions for this review include the following: 1) Case narratives from the Regional labs and/or subcontract labs have been reviewed in accordance with Regional or Environmental Services Assessment Team (ESAT) protocols and contain all pertinent and complete information to conduct the completeness check. SERAS will base this review on the information provided by the laboratory and not on an actual data package; and 2) SERAS will relay any “red” flags to the EPA R3 personnel to resolve and determine data usability.

OBSERVATIONS

In accordance with Table 1 – Field and QC Sampling Summary (Rev01 - 2/3/12), Table 2 – Sample Analytical Requirements Summary (Rev01 – 2/3/12), Methods for Groundwater and Surface Water Samples and the R9 SOPs for dissolved gases (SOP 325), Gasoline Range Organics (SOP380) and Diesel Range Organics (SOP 385), the following observations were noted and need to be clarified/resolved.

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1. The second statement in the case narrative of the laboratory report appears to be incorrect. The lab needs to verify that Samples 1201034-12 and -14 and not 1201034-12 and -13 were inconsistent between the tag and the chain of custody. Chain of custody #3-012812-143039-0019 is in agreement between the lab report and the date and time collected that are documented for sample -13.
2. It is assumed that all instrument QC (RSD, %D, retention time windows, LCV, SCV, etc) were performed and within the acceptance criteria listed in the SOP.

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cc:

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John Gilbert, ERT WAM
Gary Newhart, ERT WAM
Ex. 4 - CBI SERAS Task Leader

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